

Fig. 1

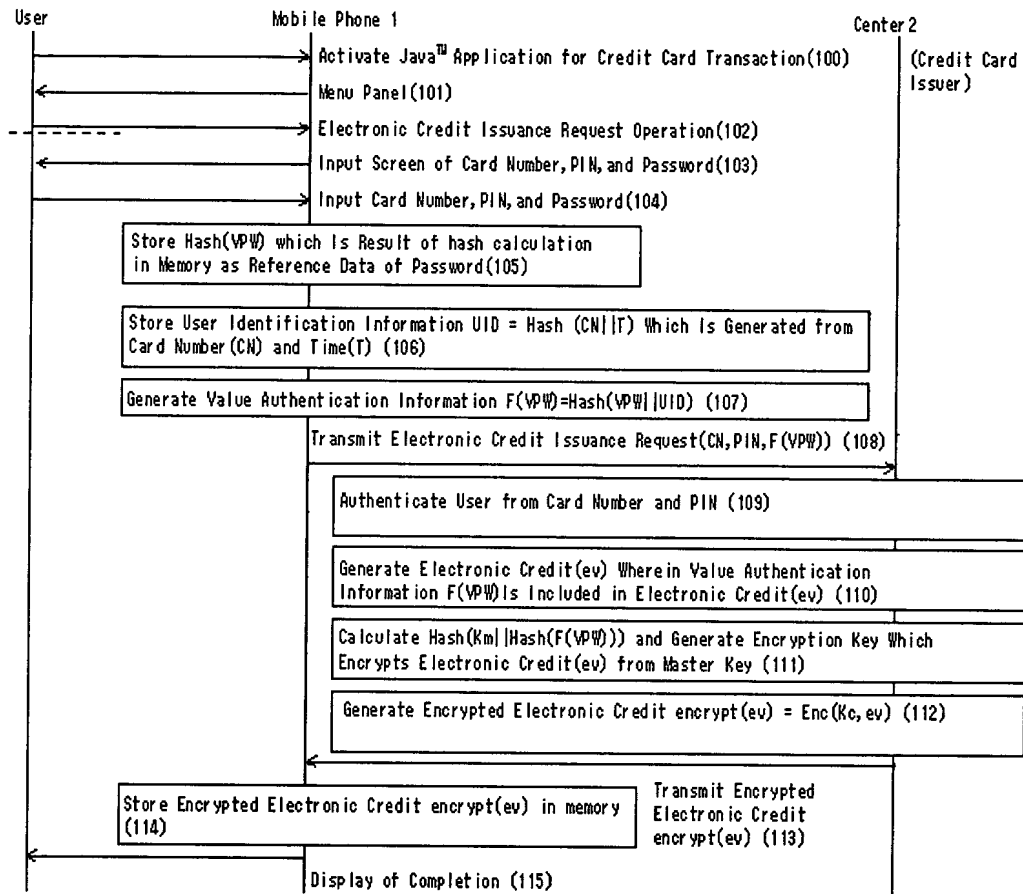


Fig. 2

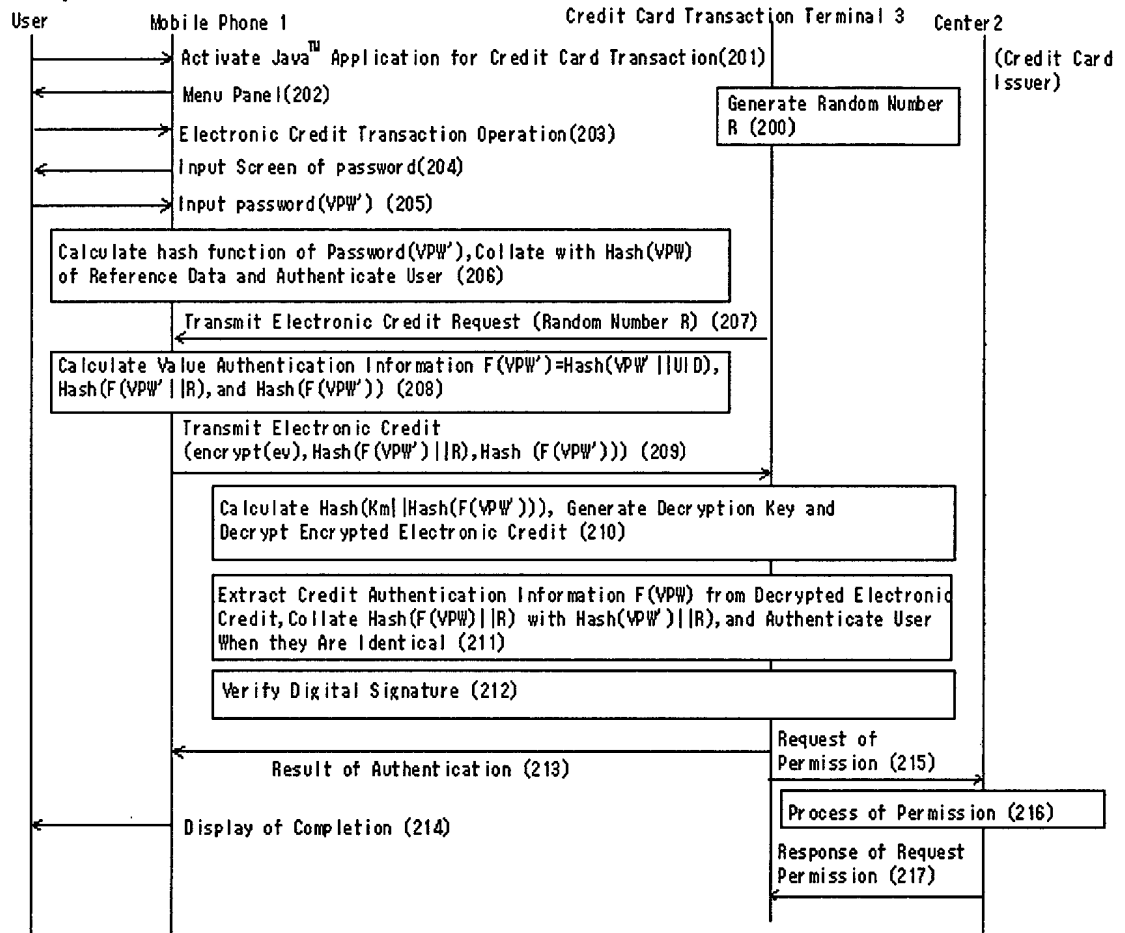


Fig. 3

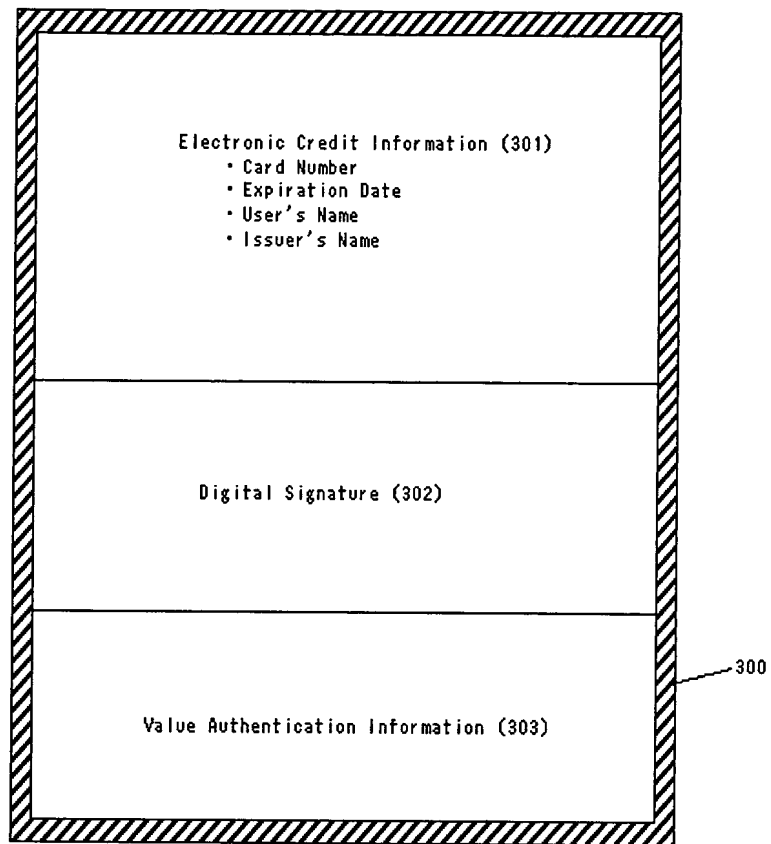


Fig. 4

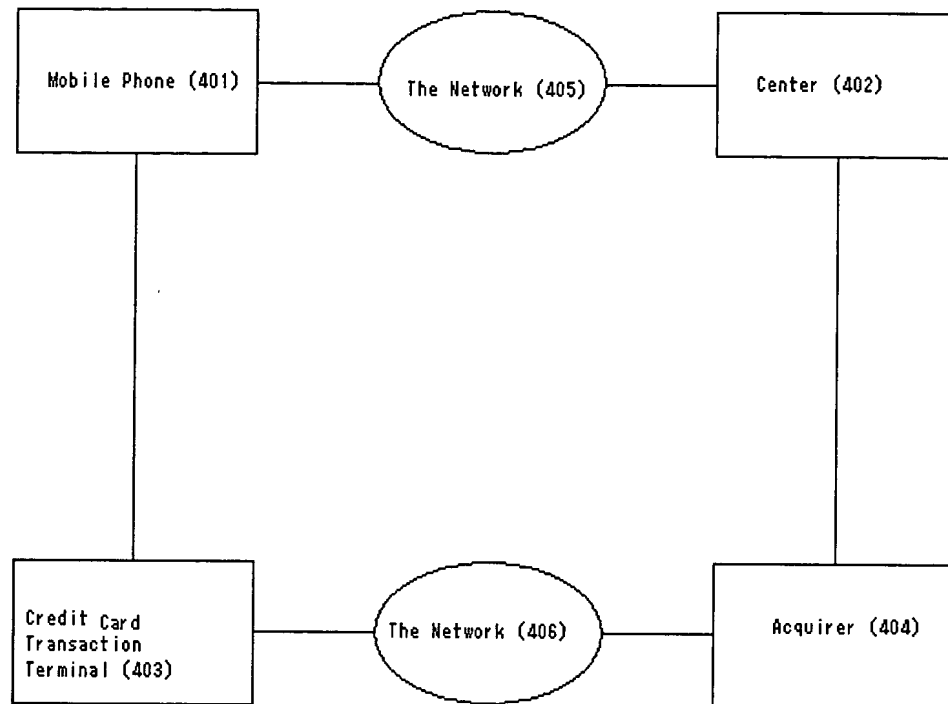


Fig 5

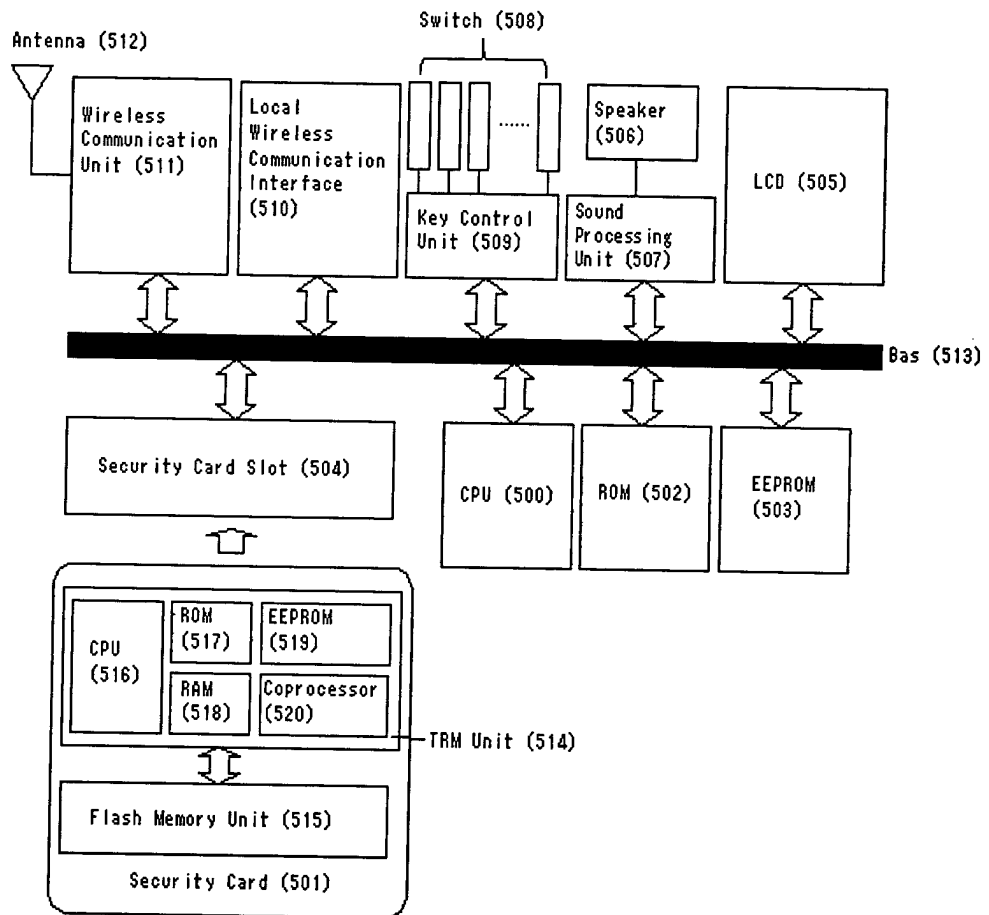


Fig. 6

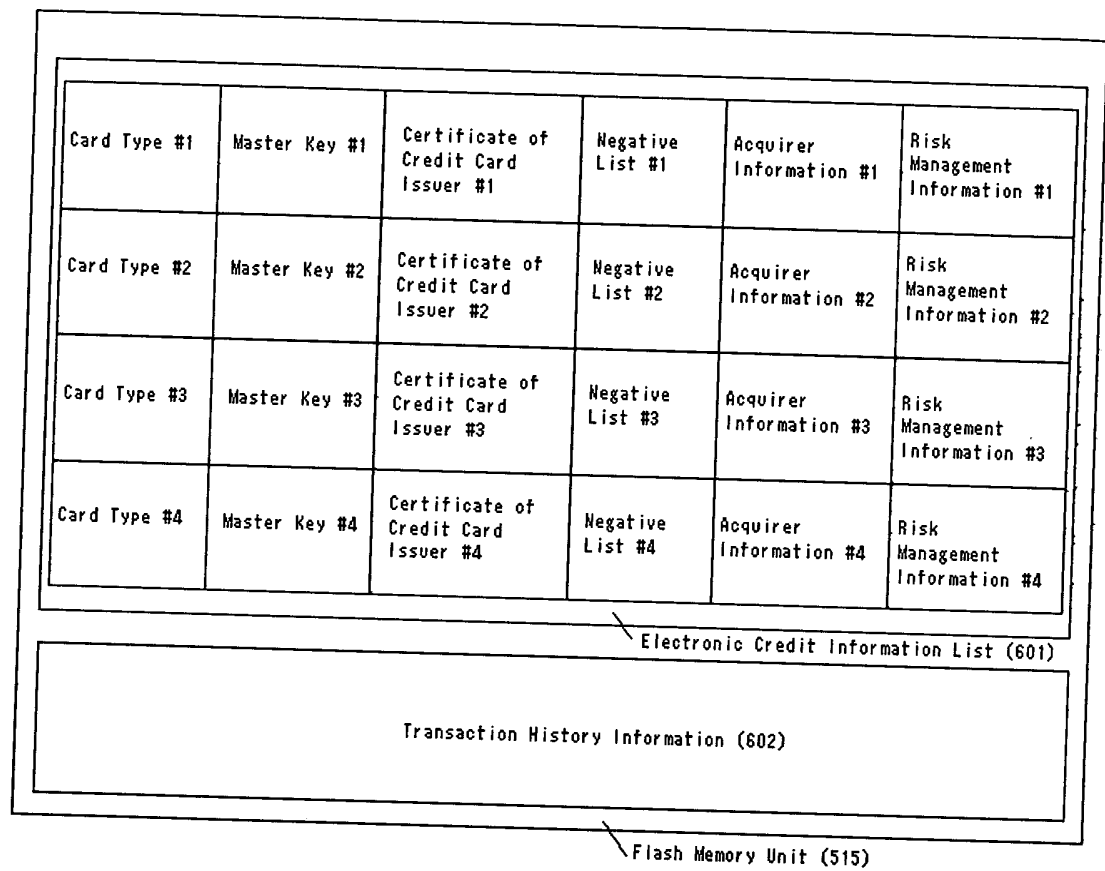


Fig. 7

Wallet Display Information (701)	Wallet Sound Information (702)
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Electronic Credit List (703)			
Reference Data #1	User Identification Information #1	Electronic Credit #1	Property #1
Reference Data #2	User Identification Information #2	Electronic Credit #2	Property #2
Reference Data #3	User Identification Information #3	Electronic Credit #3	Property #3

Fig. 8

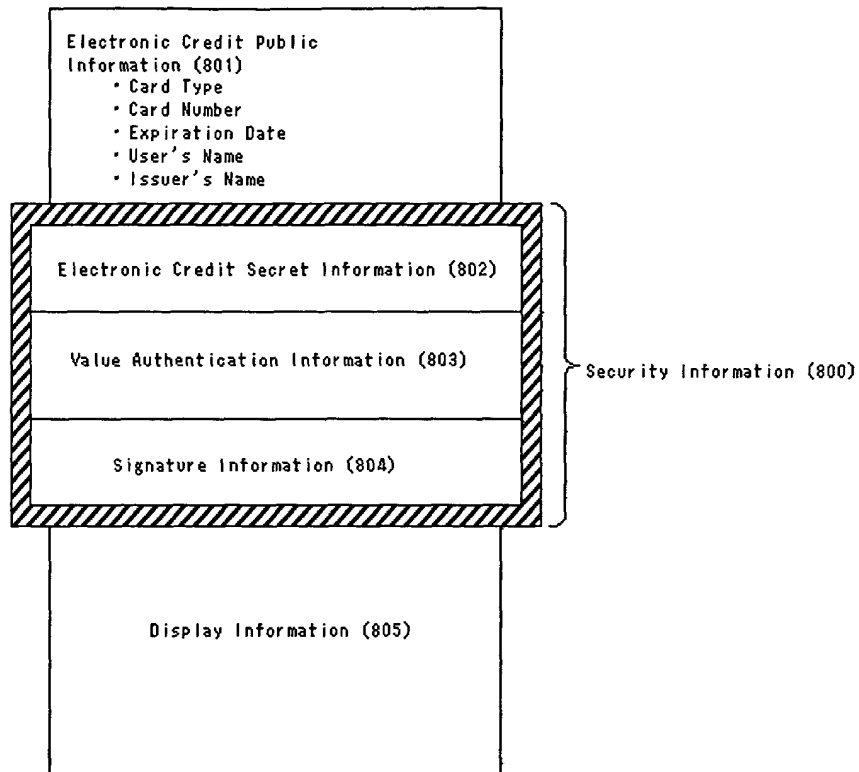


Fig. 9

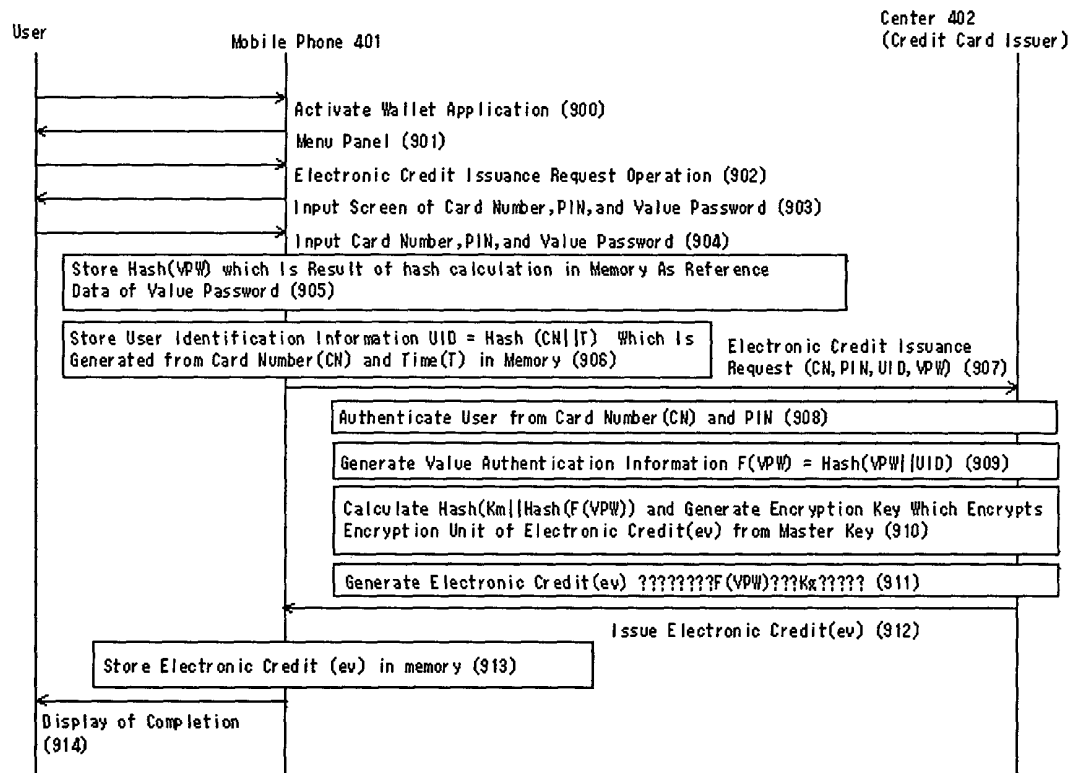
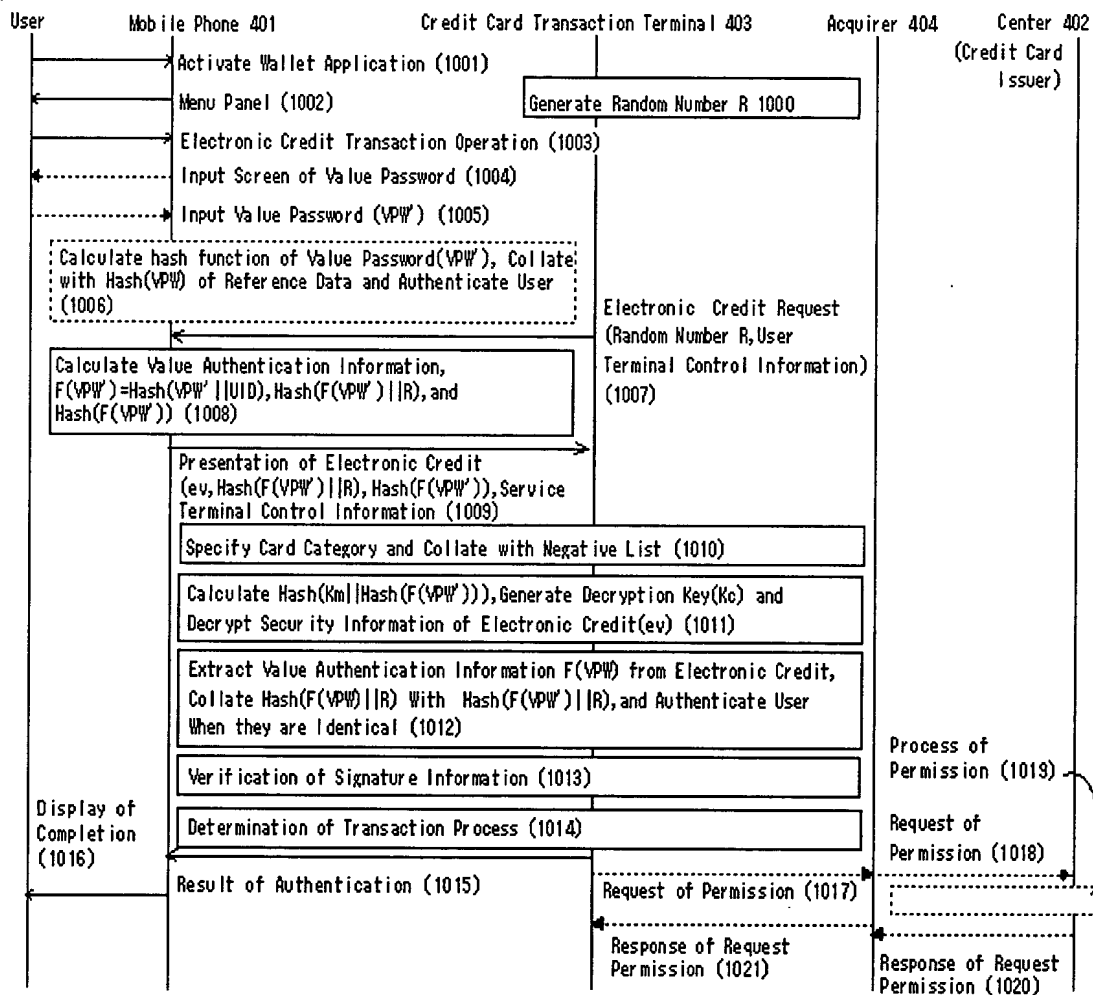


Fig. 10



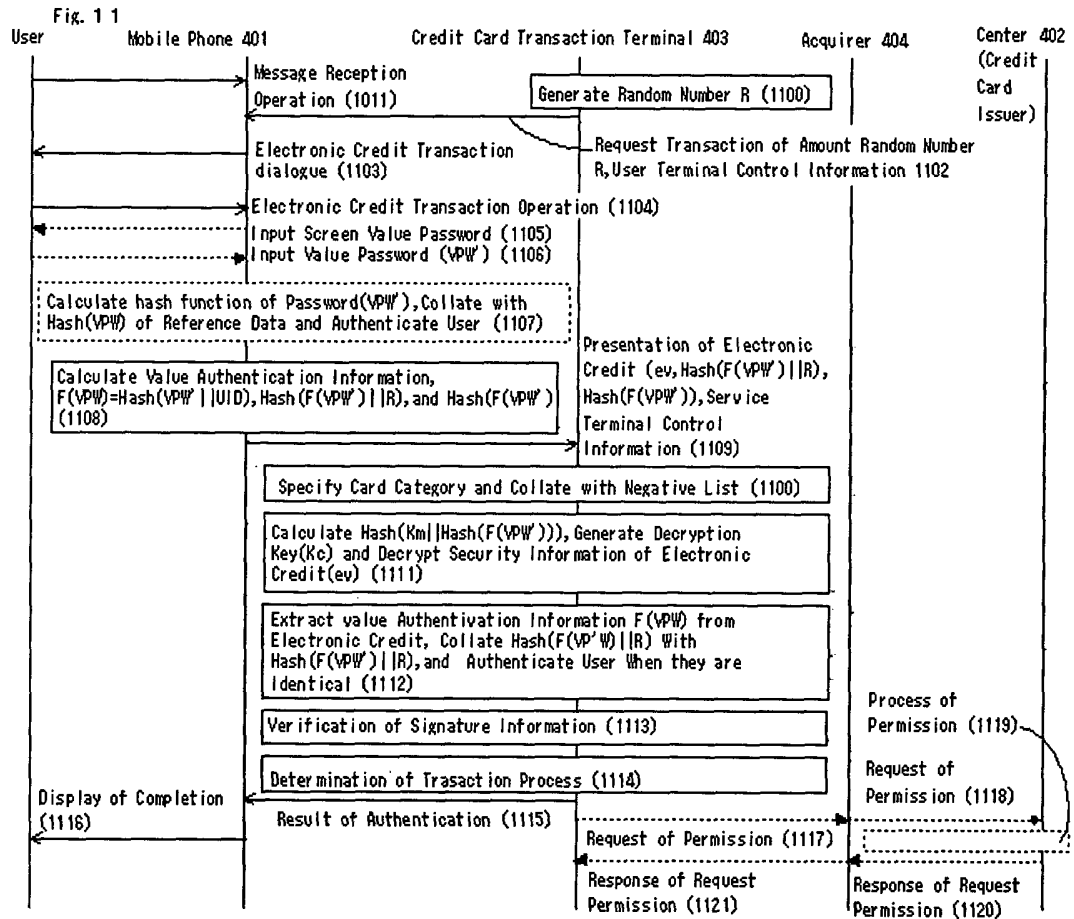


Fig. 1 2

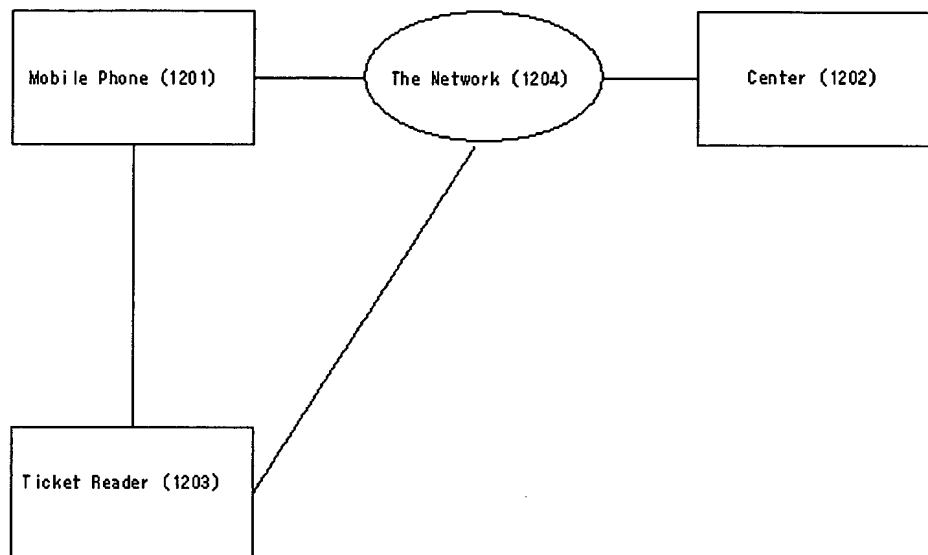


Fig. 13

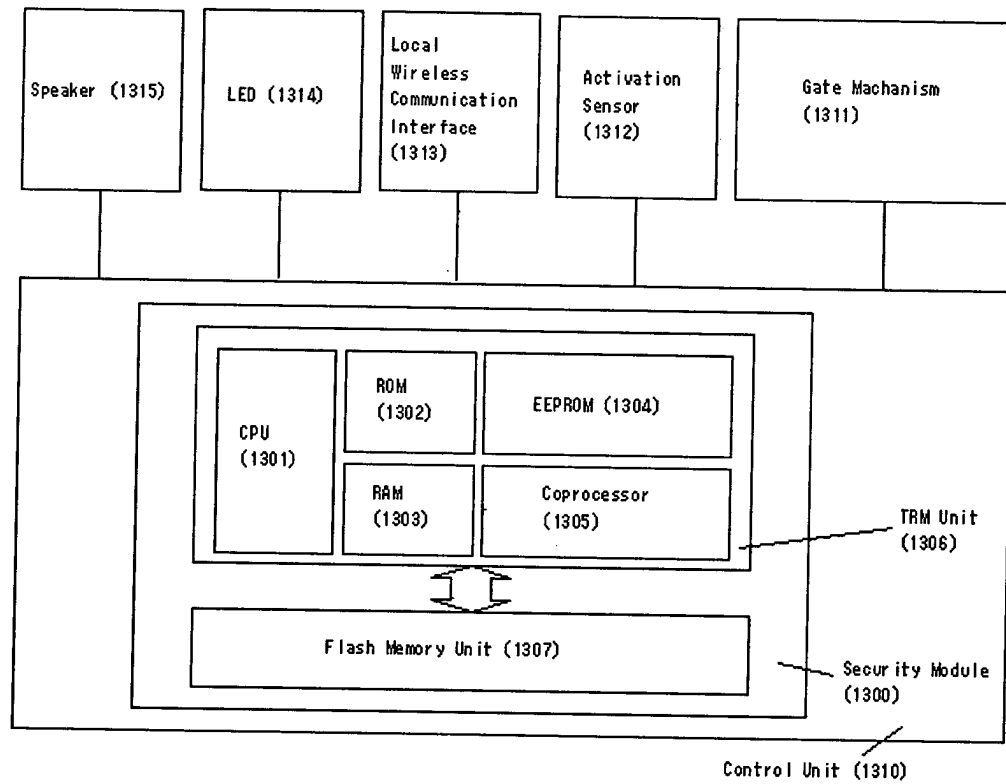


Fig. 1 4

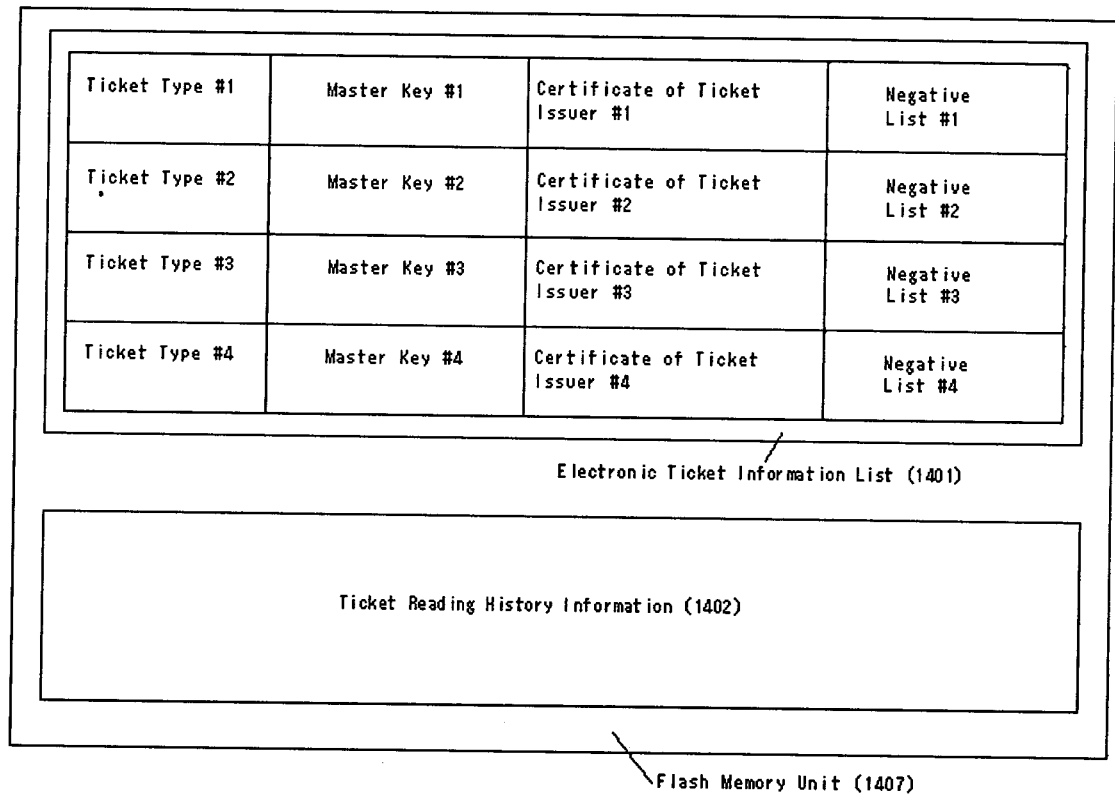


Fig. 15

Wallet Display Information (1501)	Wallet Sound Information (1502)
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Electronic Credit List (1503)			
Reference Data #1	User Identification Information #1	Electronic Credit #1	Property #1
Reference Data #2	User Identification Information #2	Electronic Credit #2	Property #2

Electronic Ticket List (1504)			
Reference Data #1	User Identification Information #1	Electronic Ticket #1	Property #1
Reference Data #2	User Identification Information #2	Electronic Ticket #2	Property #2
Reference Data #3	User Identification Information #3	Electronic Ticket #3	Property #3

Fig. 16

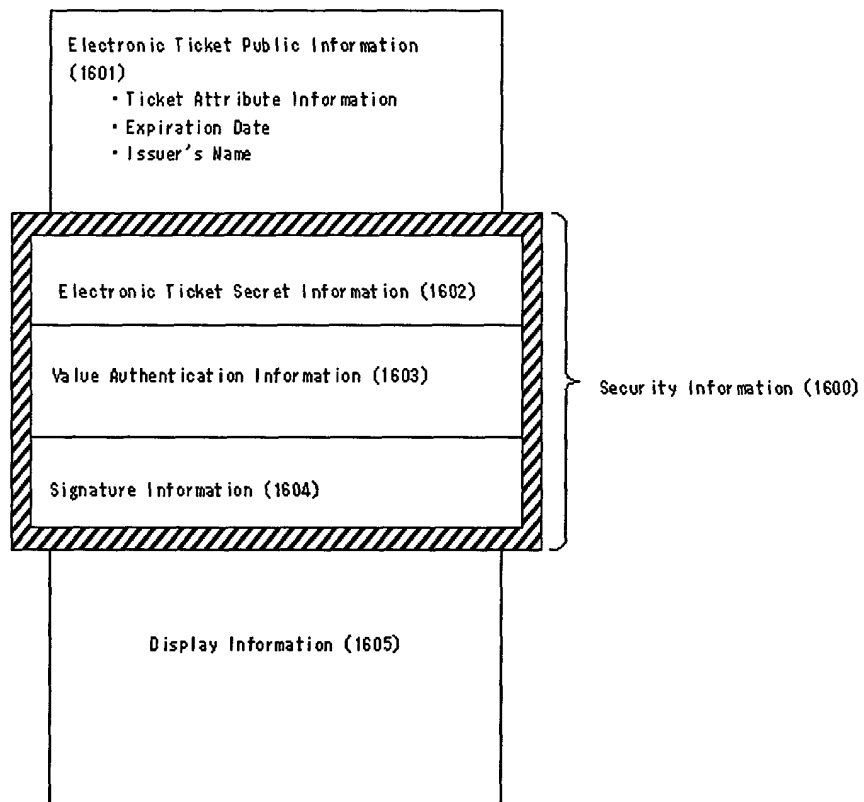


Fig. 17

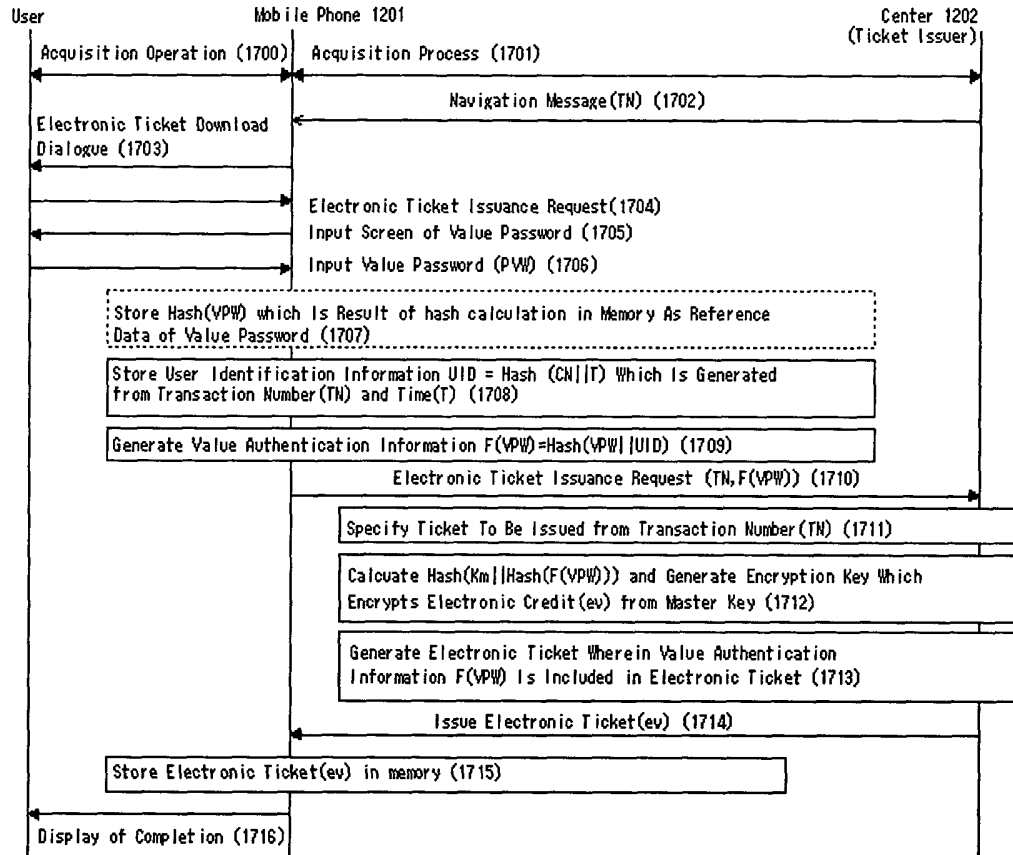
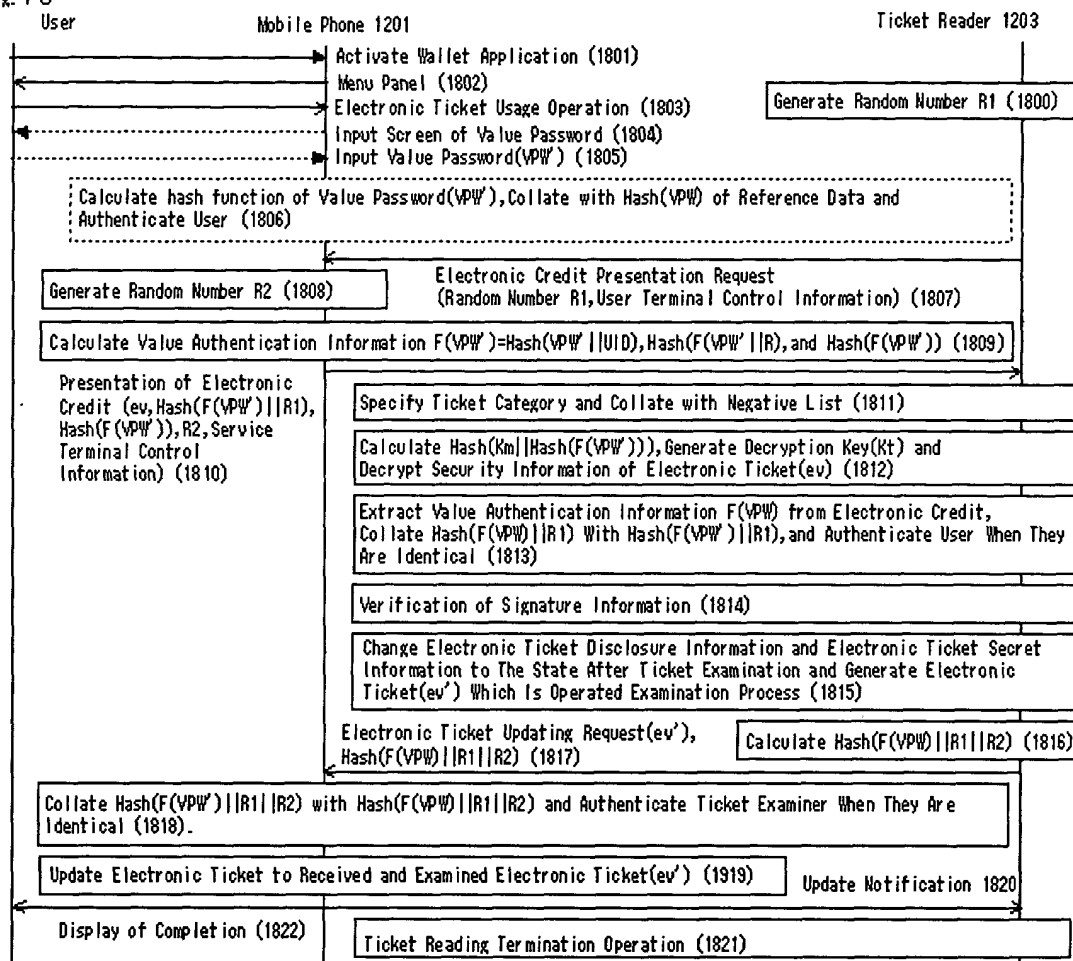


Fig. 18



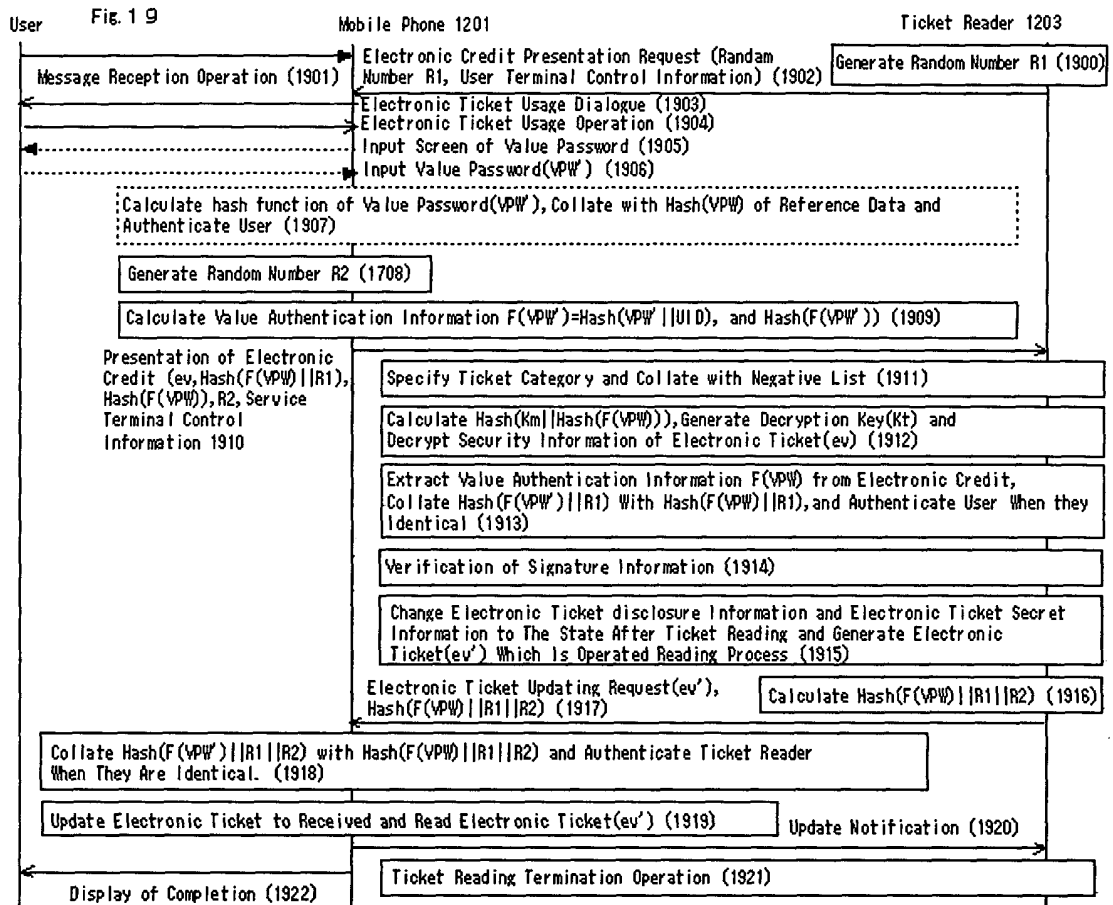


Fig. 20

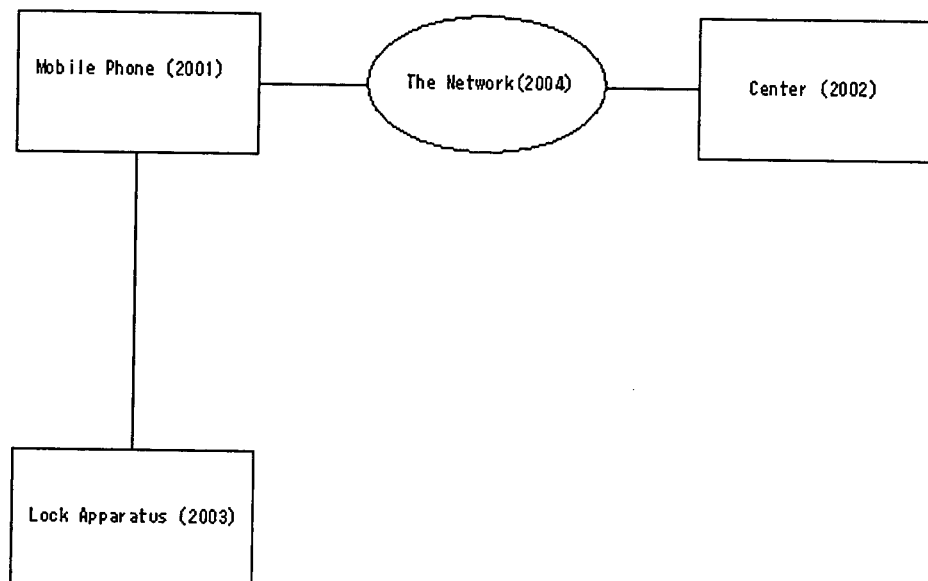


Fig. 2 1

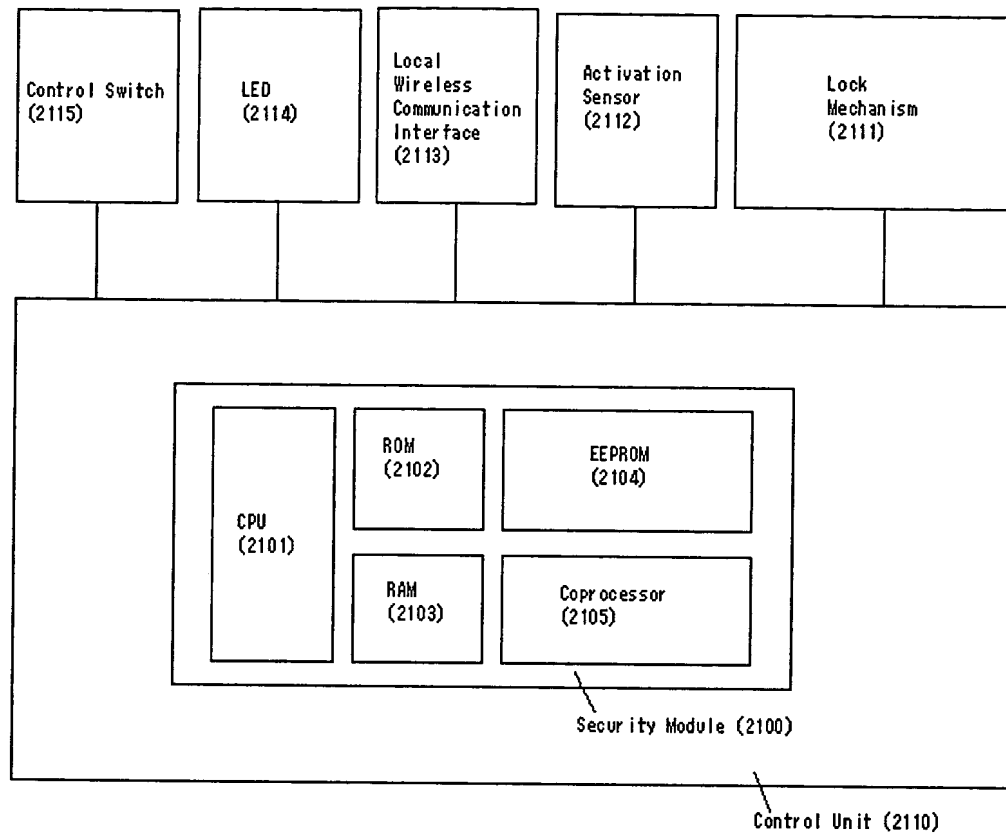


Fig. 2 2

Wallet Display Information (2201)	Wallet Sound Information (2202)
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Electronic Credit List (2203)			
Reference Data #1	User Identification Information #1	Electronic Credit #1	Property #1
Reference Data #2	User Identification Information #2	Electronic Credit #2	Property #2

Electronic Ticket List (2204)			
Reference Data #1	User Identification Information #1	Electronic Ticket #1	Property #1
Reference Data #2	User Identification Information #2	Electronic Ticket #2	Property #2

Electronic Lock List (2205)			
Reference Data #1	User Identification Information #1	Electronic Key #1	Property #1
Reference Data #2	User Identification Information #2	Electronic Key #2	Property #2
Reference Data #3	User Identification Information #3	Electronic Key #3	Property #3

Fig. 23

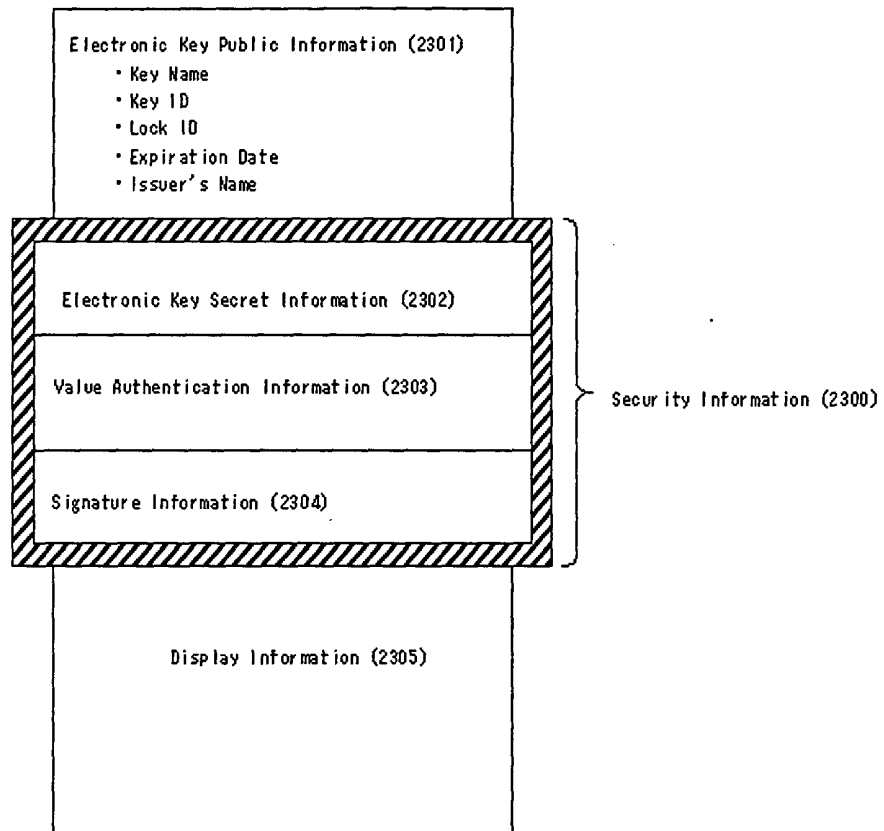


Fig. 24

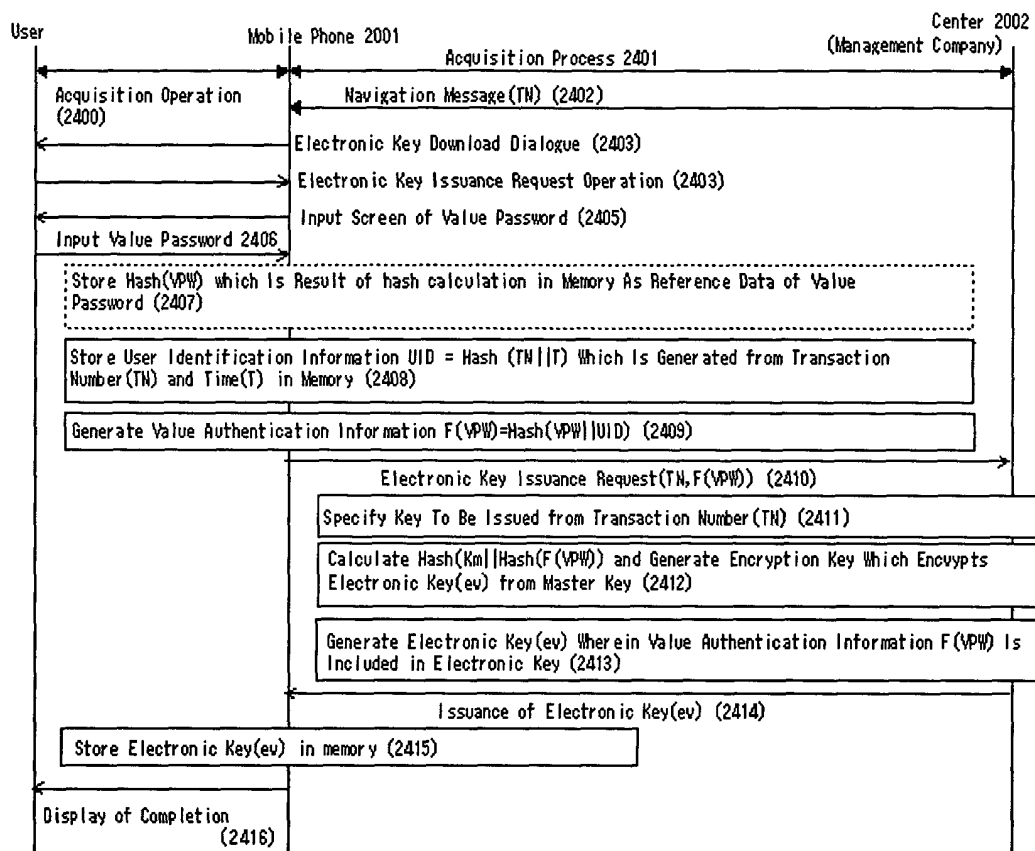


Fig. 2 5

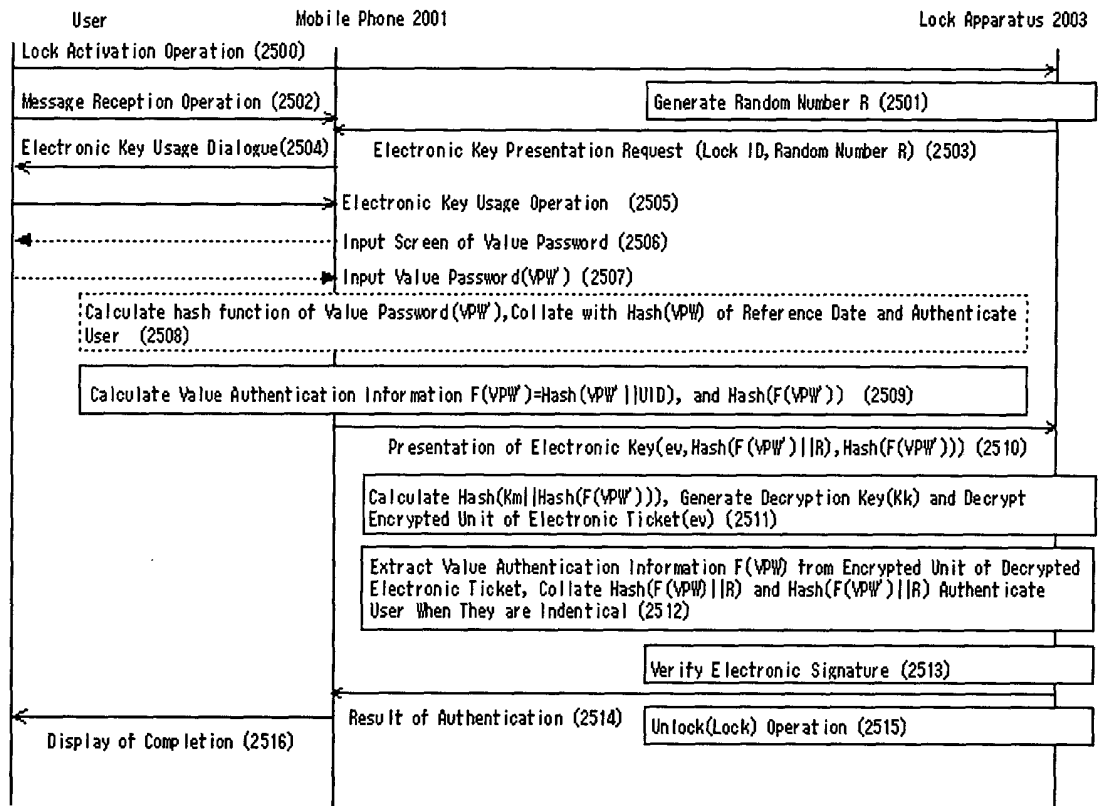


Fig. 26

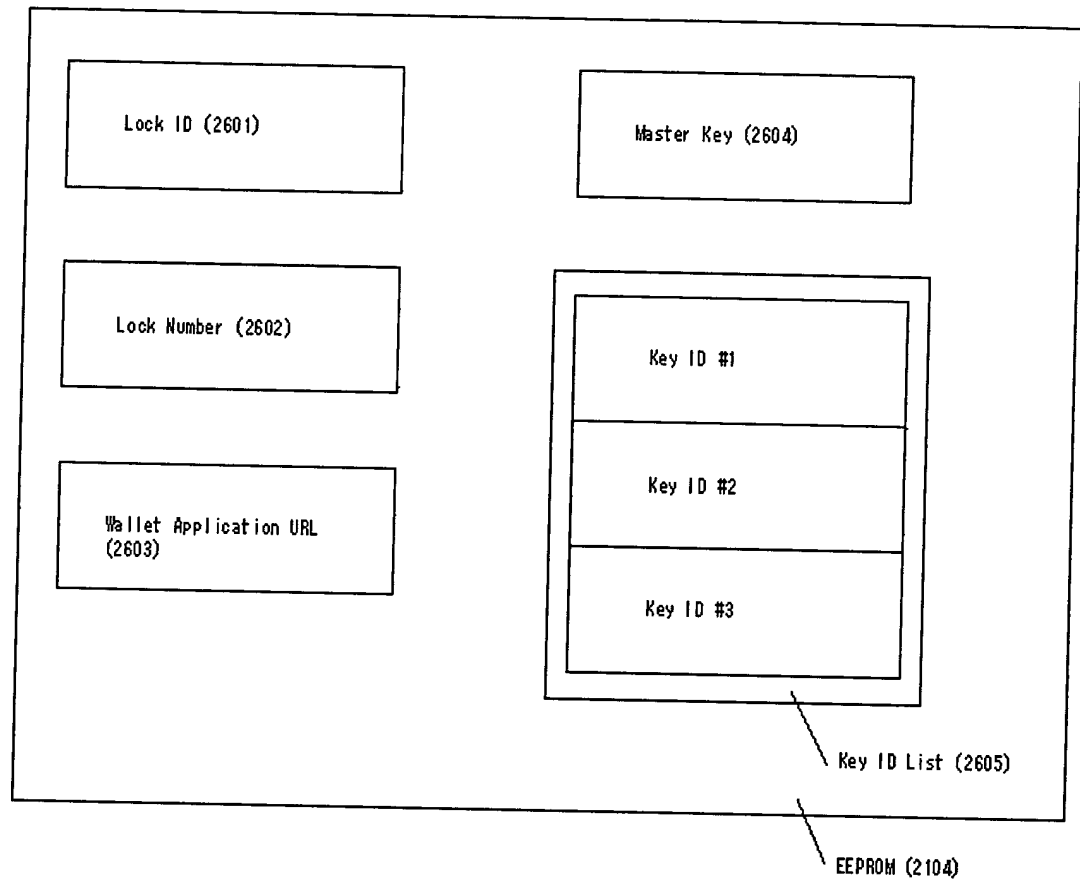


Fig. 27

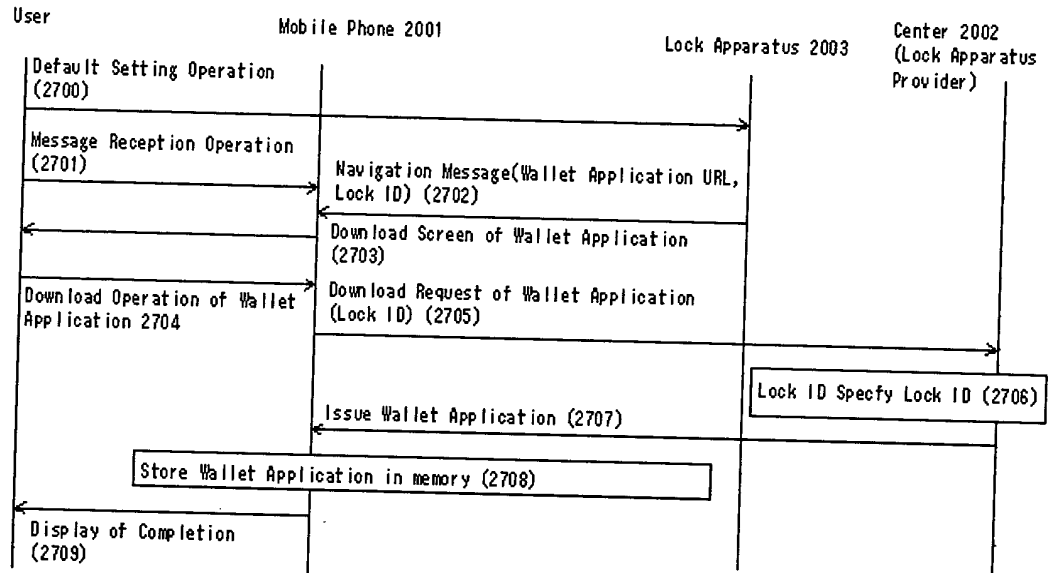


Fig. 2 8

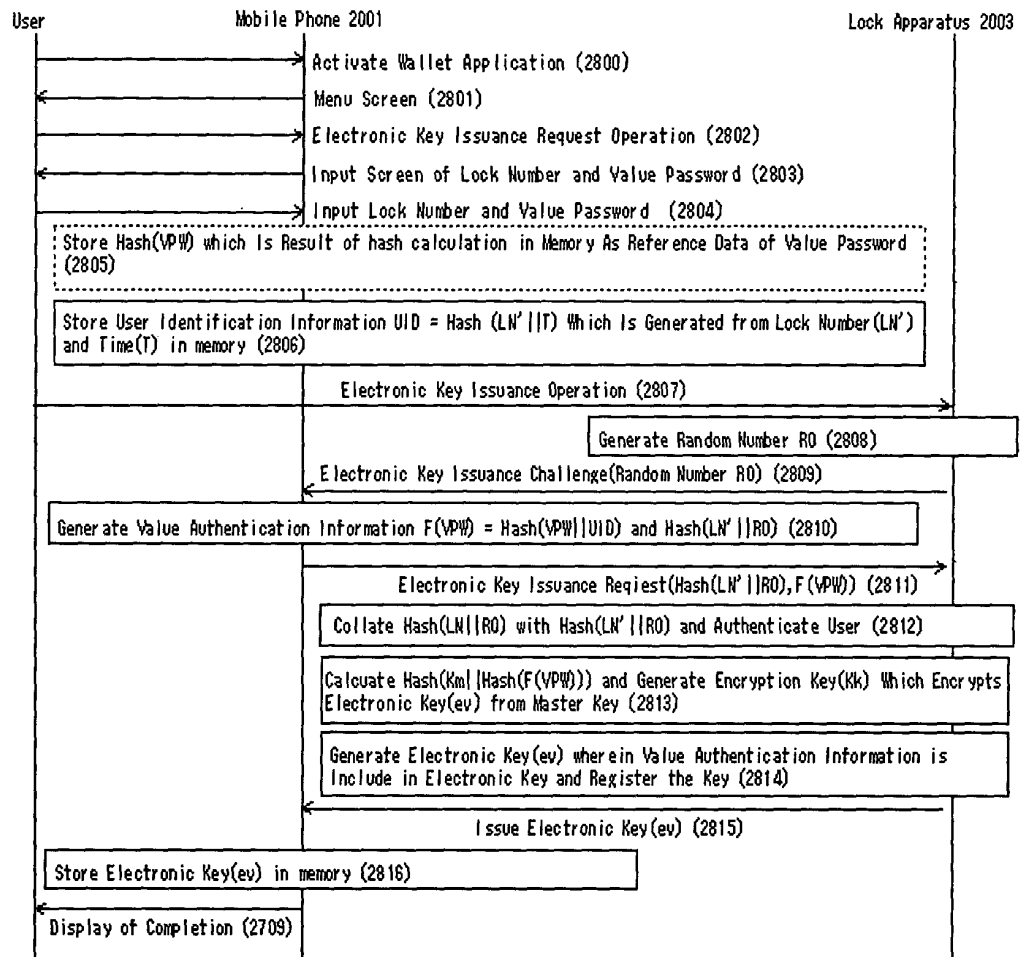


Fig. 2 9

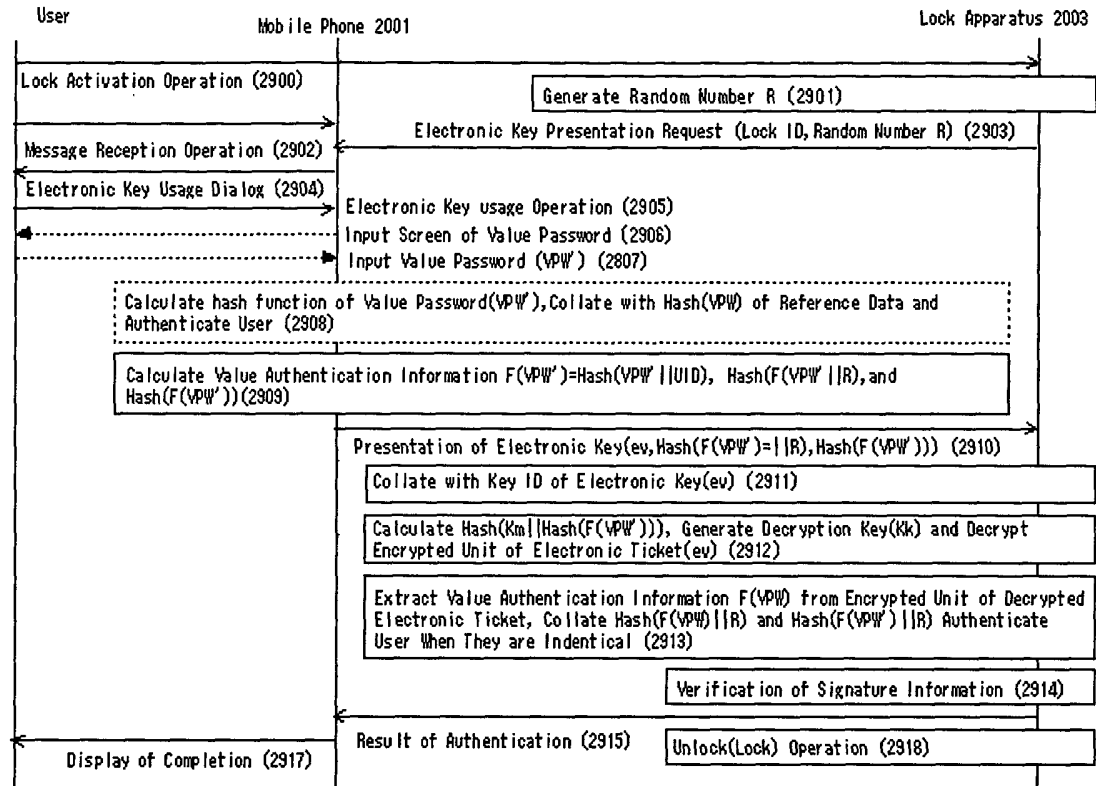


Fig. 30

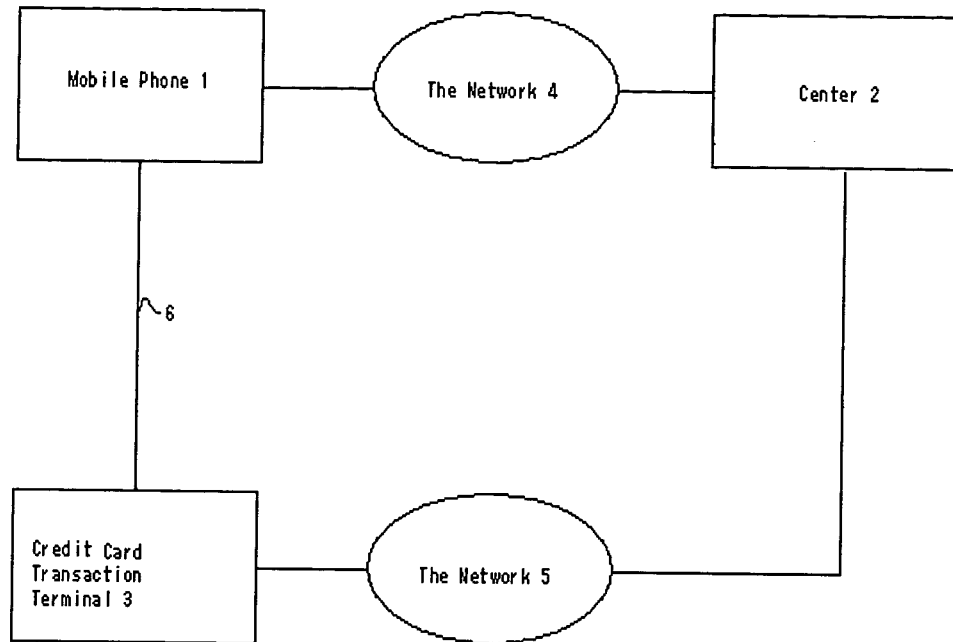


Fig. 3 1

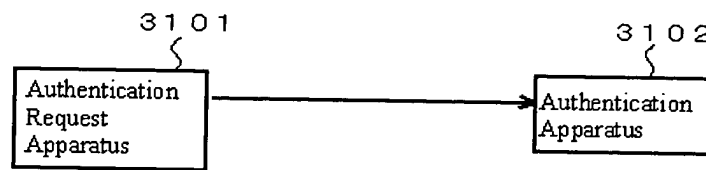


Fig 3 2

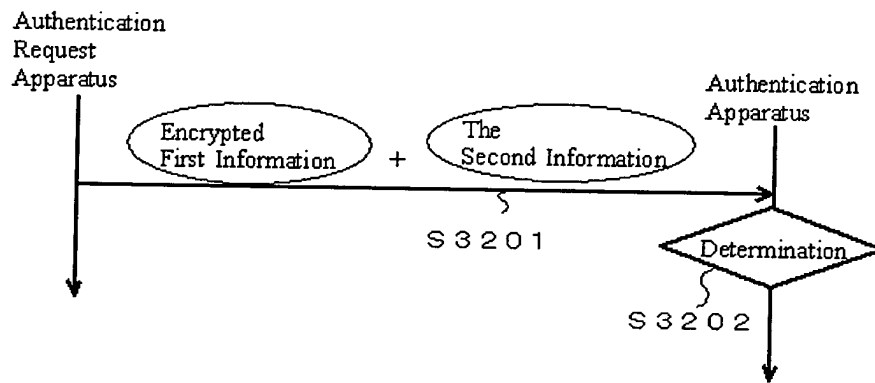


Fig. 3 3

(A)

Encrypted First Informaiton	Encrypt (Password)
The Second Information	Password
Condition of Determination	Decrypt (Encrypted First Informaiton) = The Second Information ?

(B)

Encrypted First Informaiton	Encrypt (Password)
The Second Information	F (Password)
Condition of Determination	F (Decrypt (Encrypted First Informaiton)) = The Second Information ?

Fig 3 4

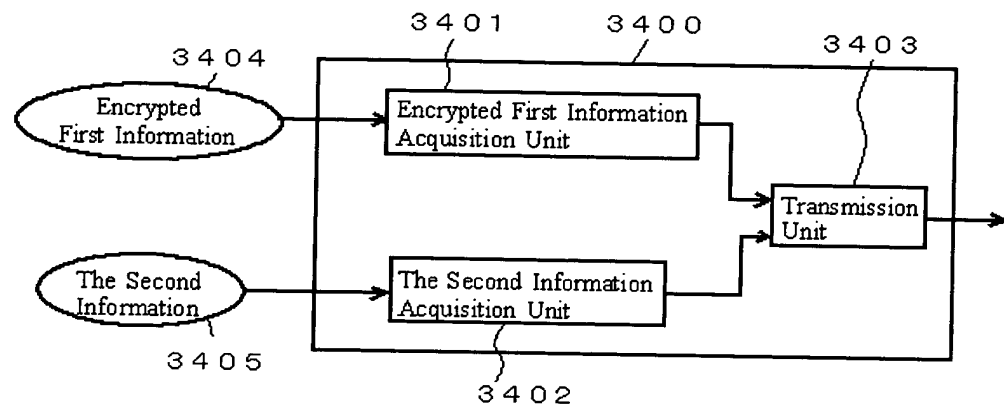
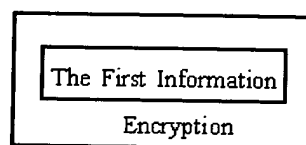


Fig 3 5

(A)



(B)

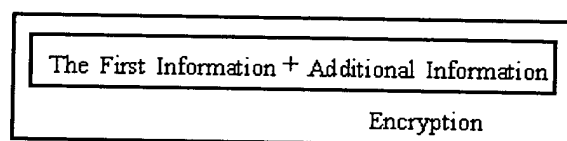


Fig. 3 6

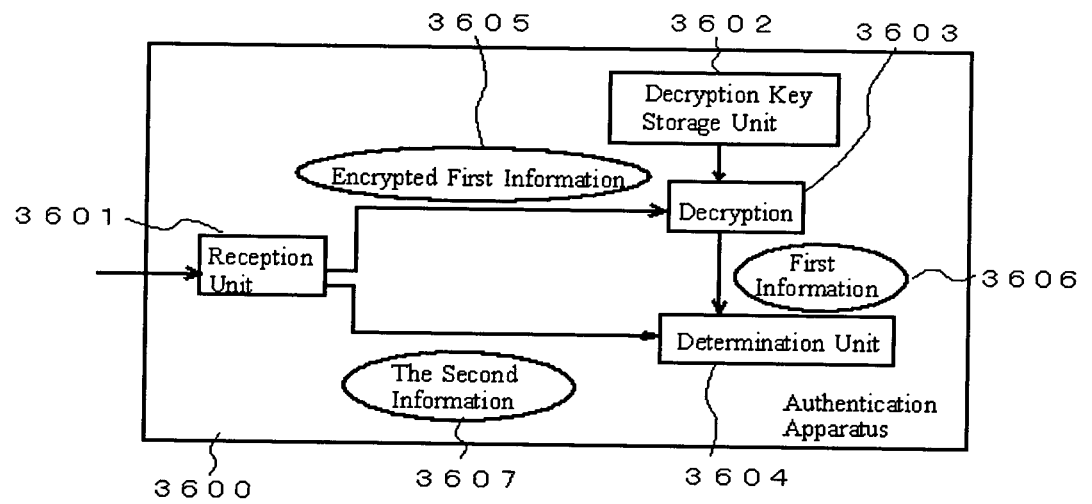
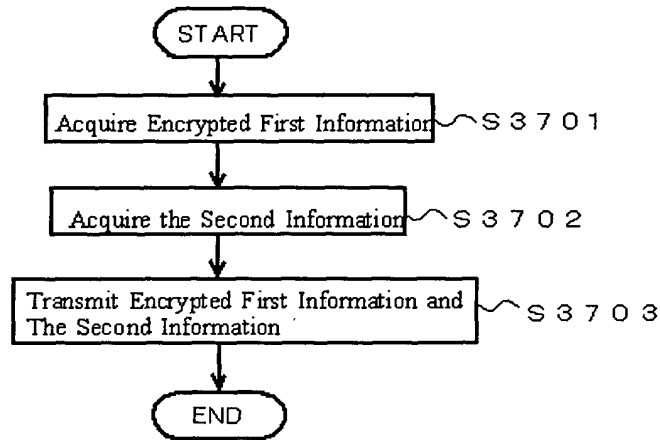


Fig. 37

(A)



(B)

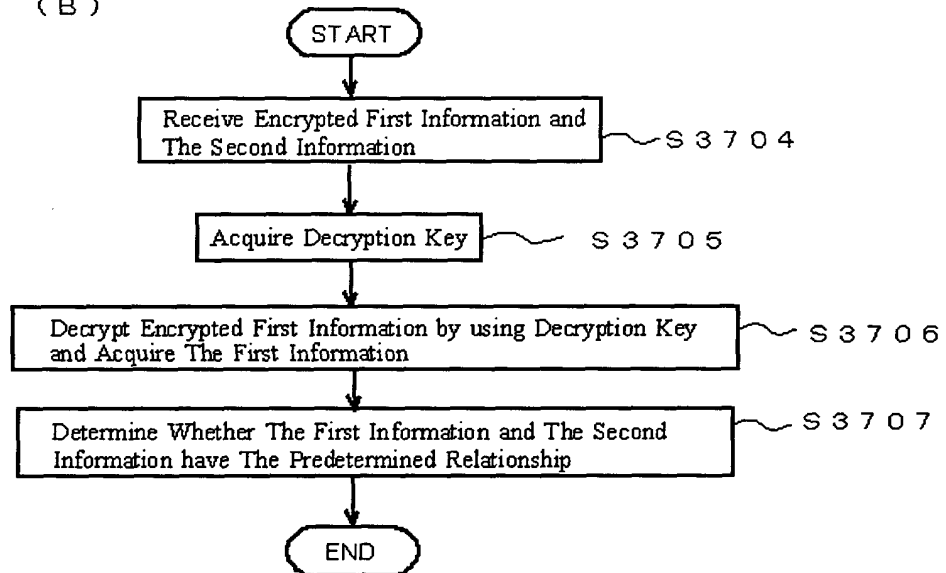


Fig. 3 8

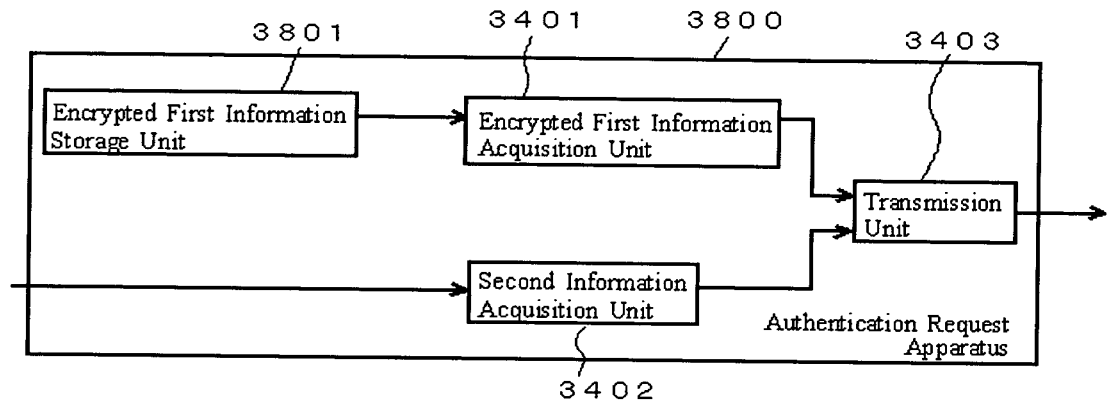


Fig. 3 9

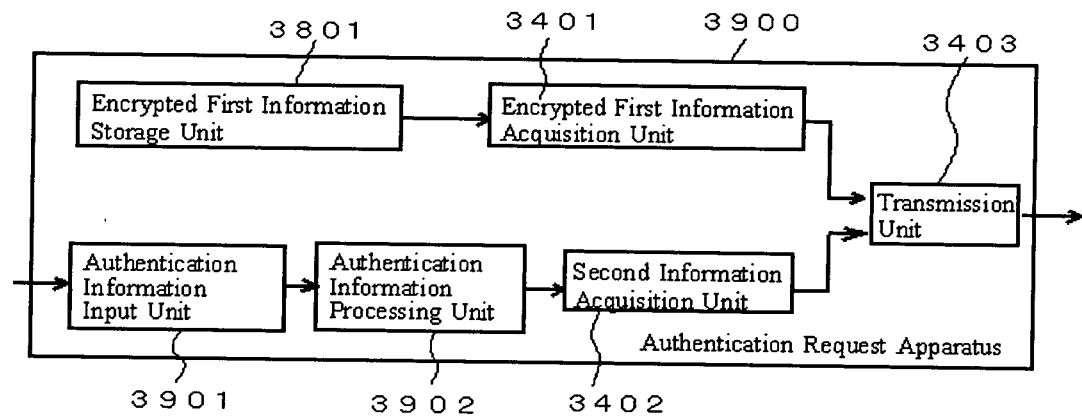
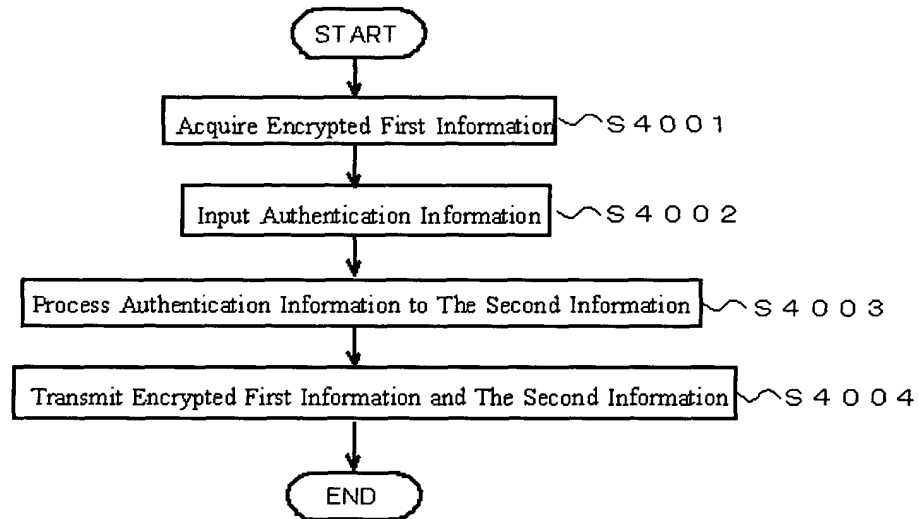


Fig 4 0

(A)



(B)

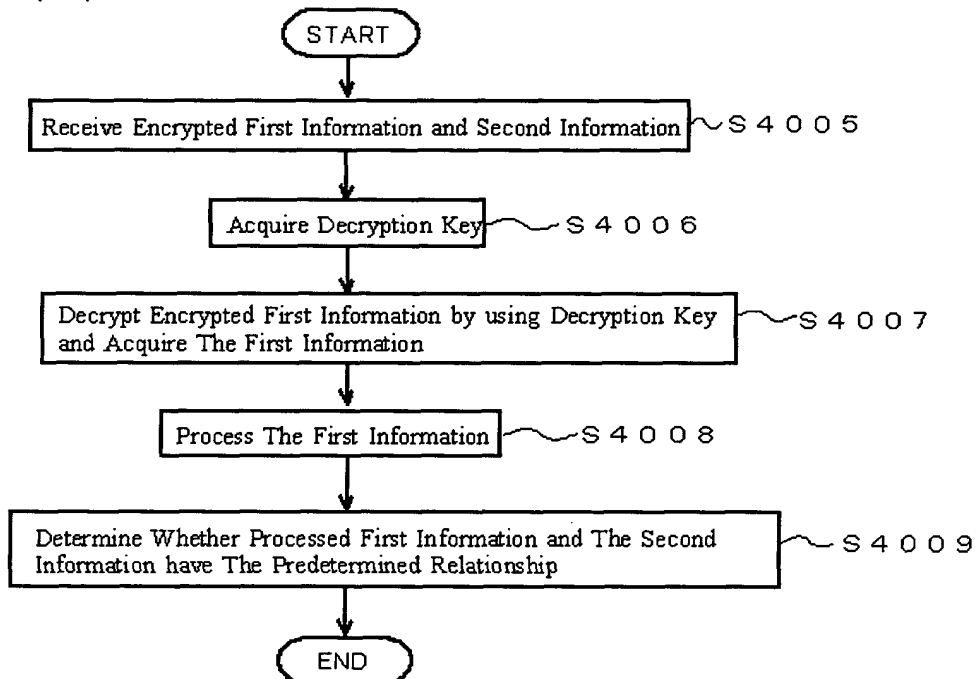


Fig. 4 1

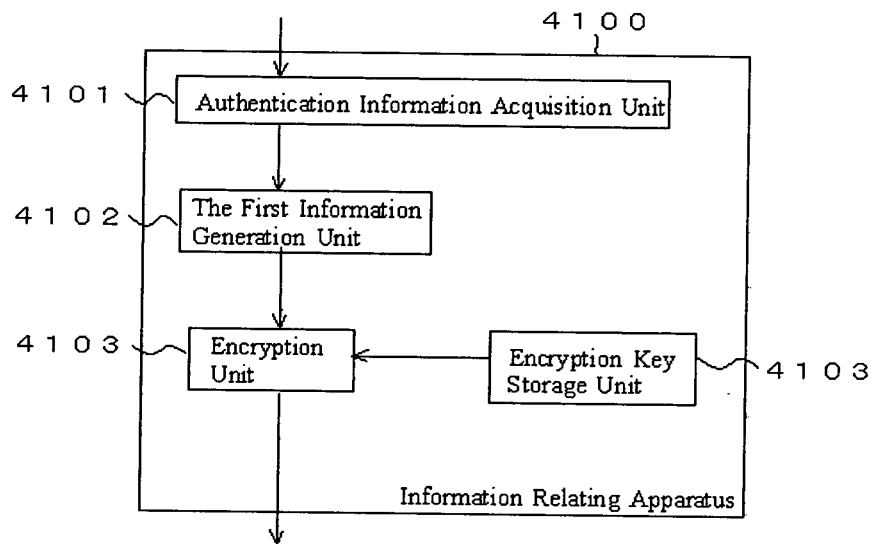


Fig 4 2

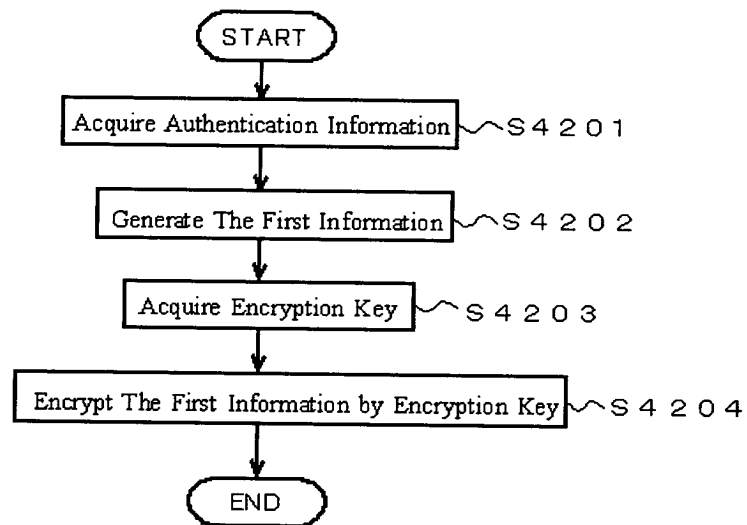


Fig 4 3

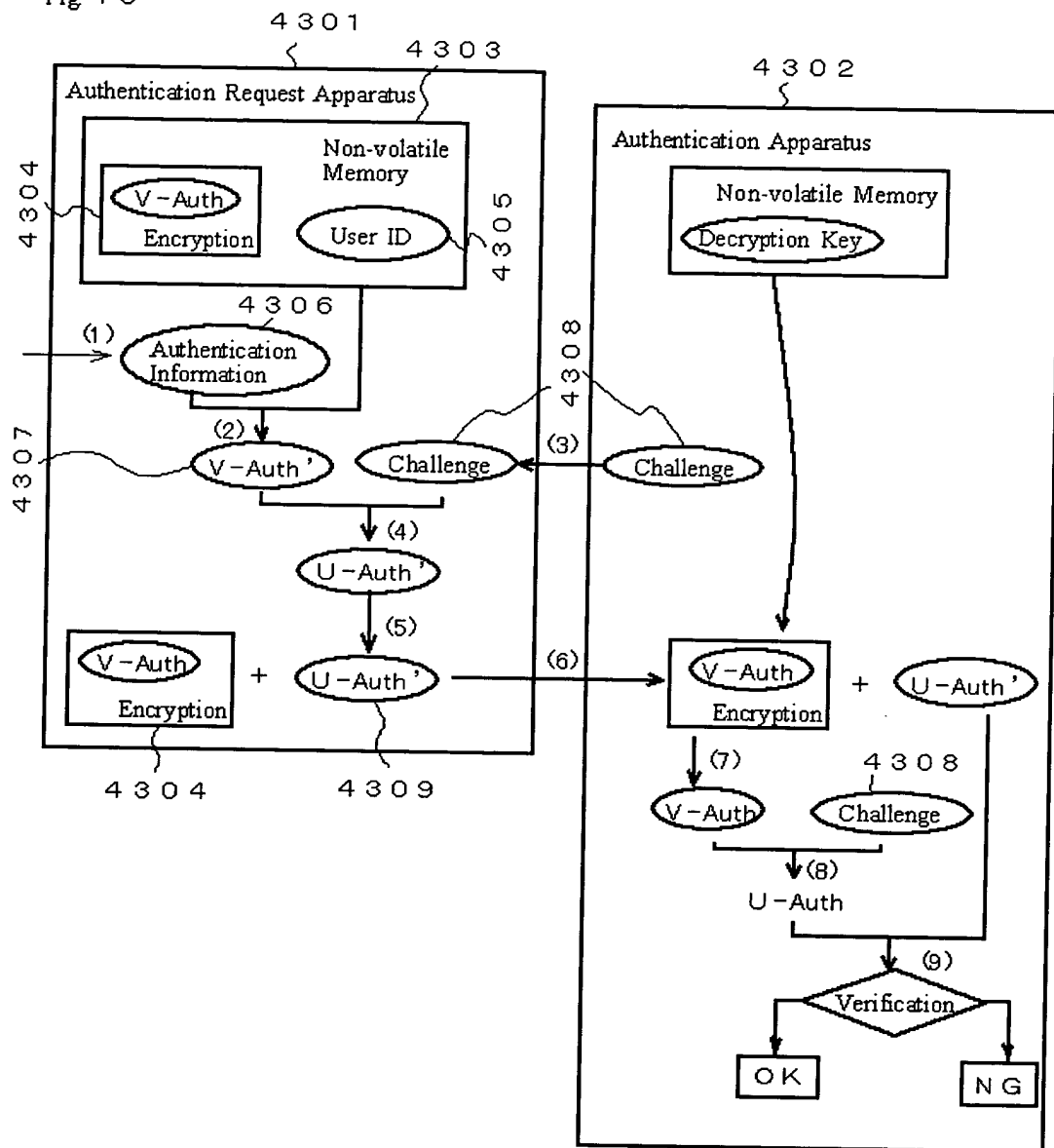


Fig. 4.4

- (1) $V\text{-Auth} = \text{Hash}_1(\text{Password} \parallel \text{User ID})$
- (2) $V\text{-Auth}' = \text{Hash}_1(\text{Authentication Information} \parallel \text{User ID})$
- (3) $U\text{-Auth}' = \text{Hash}_2(V\text{-Auth}' \parallel \text{Challenge})$
- (4) $U\text{-Auth} = \text{Hash}_2(V\text{-Auth} \parallel \text{Challenge})$